

# Carolina Country

January 1977





# In 1875, a United States Senator urged a ban on gasoline because it was "too dangerous."

The senator had an impressive argument. "Never before has society been confronted with a power so full of danger...why, horseless carriages might obtain speeds up to 20 miles an hour...the threat to our people calls for prompt legislative action."

Like a lot of people back then, the senator feared gasoline because he didn't understand it.

Now, over 100 years later, we have a situation that is similar. But much more complex and far-reaching.

We are running out of energy. And the resource that could solve our dilemma is surrounded by such awe and mystery it has created a national controversy.

## Nuclear Power. Either we develop it, or we do without.

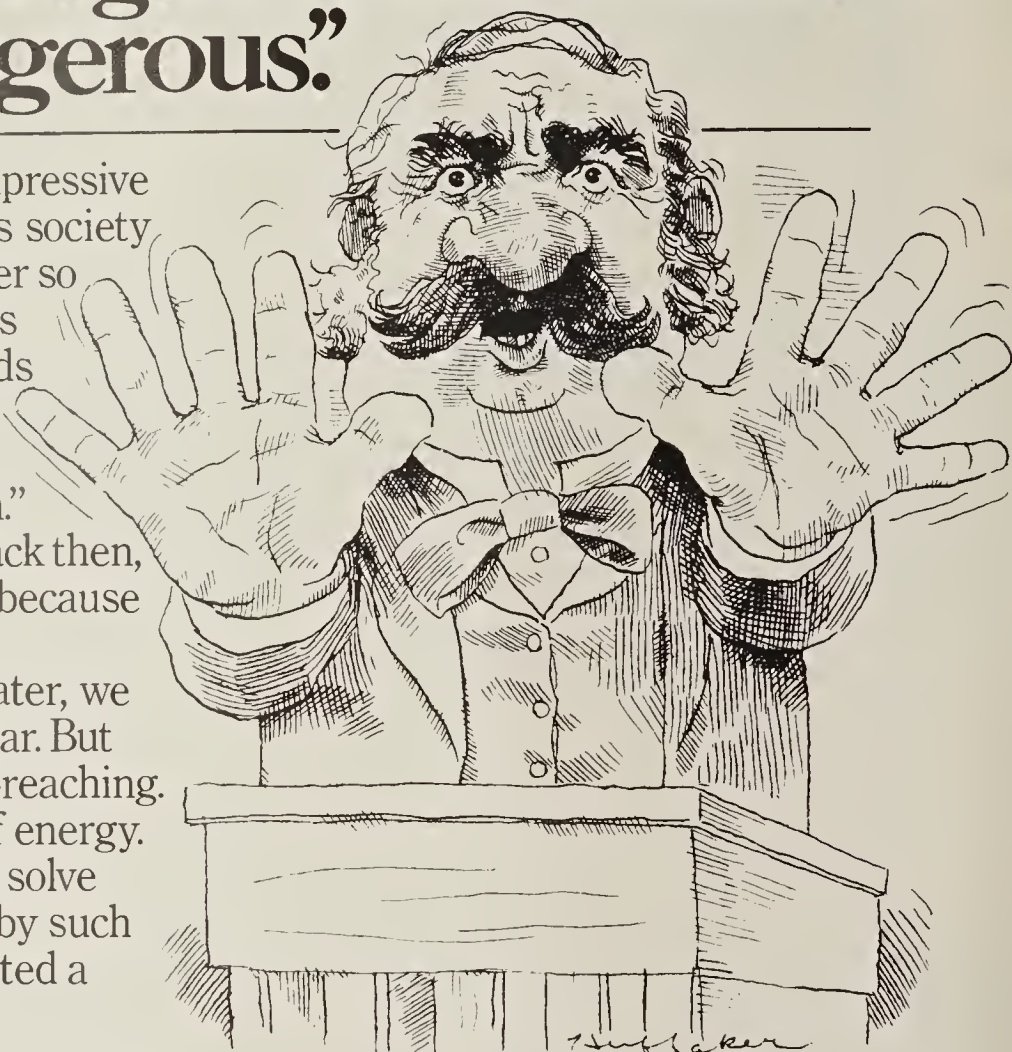
Many people think our energy crisis can be solved by spending vast amounts on research, so that we can quickly harness the sun's power.

We are far from such a solution. So what do we do in the meantime?

We can slow down our energy production, and put millions more Americans out of jobs.

We can increase our oil imports, becoming more and more dependent on the Middle East.

(Think about that for a minute.)



Or, we can expand our current production of nuclear energy.

Now, obviously, no one can flatly say that nuclear energy has no risks. Progress always has its risks. But we are a responsible nation, and we have learned to live with risks when the ultimate goal was a better way of life.

At your North Carolina EMCs, we believe that nuclear power is our only reasonable hope of avoiding a bleak and cold future.

And the sooner we establish a national energy policy that includes it, the better off all of us will be.

**North Carolina's Electric  
Membership Corporations.** 



# Carolina Country

Read Monthly in More than  
250,000 Homes

Vol. 9 No. 1 January, 1977

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North Carolina Electric  
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**COVER**—Looking south from Montreat, this winter scene overlooking Black Mountain shows rime frost in the distance as the mountain range nears Swannanoa. The photo, by E. A. Andrews, Jr., of Montreat, is from the 1977 *Mountain Meditations Calendar* published by Andrews and Dr. John R. Crawford of Montreat Anderson College. We are indebted to Mr. Andrews and Dr. Crawford for the use of photo color separations for our cover. For information on how to order copies of this calendar, see ad Page 29.

## In This Issue . . .

- 8 Legislative Outlook
- 10 Leaf Tests Cut Energy Use
- 14 "That's A Negatory, Good Buddy"
- 20 Carolina Homemaker
- 26 Searching Your Family Tree

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## Editorial

# A Rare Commodity

We've been struck by a number of recent news items from across the state and nation which seem especially worthy of note in an era when good news is a rare and treasured commodity. As a result, we are taking note by offering a hearty *Carolina Country* salute to...

**First Lady-elect Rosalynn Carter** ...for her plans to wear a five-year-old gown to the Inaugural Ball in Washington. The Beautiful People may sneer, but we think that's a refreshing attitude in this overly fashion-conscious world.

**Mayor Jim Melvin of Greensboro** ...who is now developing plans for a local energy policy to be considered by that city's governing body. He's concerned about the nation's diminishing supplies of energy resources and believes the average citizen can do something about it—with the proper incentives for conservation. He's particularly intrigued by the possibility of revising the city's housing code to reflect a concern for energy waste and tax incentives for people who install energy-saving devices in their homes. Right on, Mr. Mayor!

**The State of Idaho** ...whose legislature has expressed similar concern about conservation by adopting just such a tax incentive. Under a new law, a state income tax deduction is permitted for the total cost of installing insulation materials as well as renewable energy systems such as heat pumps, solar water and space heating equipment. The deduction is permitted for the total cost of installing insulation materials as well as renewable energy systems such as heat pumps, solar water and space heating equipment. The deduction is good up to \$12,500 over a four-year period.

**Those citizens of the Piedmont Triad** ...who organized an effort to establish the state's first home for autistic youth, raising about \$26,000 to qualify for matching federal funds. The home opened recently, less than year after the grassroots effort was launched. It provides a permanent haven for five autistic adolescents and treatment for many more. (For additional information about this and other programs for autistic children, write to Becky Dossett, N.C. Society for Autistic Children, Triad Home, 635 Walker Ave., Greensboro, 27403.)

**Gov. Jim Holshouser** ...for the gracious and gentlemanly manner in which he has assisted Gov.-elect Jim Hunt with the transition of governmental control. His unexpected opening of the budget-preparation process to the new administration was particularly commendable—and gives the governor-elect a healthy head start on his own agenda for action.

**Gov.-elect Jim Hunt** ...for his plans to move the governor's office back into the capitol after a five-year absence from the historic building. When the office was moved out under Gov. Robert Scott in 1972 to make way for renovations, the state's governors had conducted business there since the 1830's when the capitol was erected. It will be good to see the state's chief executive back in business at that familiar landmark.



A Carolina Country Salute



# rural electric Notebook

## NEWSPAPER REPORTS IN ERROR

Many of the state's newspapers have carried an erroneous wire service report that a negotiated settlement has been reached with regard to a wholesale rate increase imposed by Carolina Power and Light Co. on its EMCs and municipal customers.

The report said CP&L had agreed to reduce the level of the increased rates, which went into effect in January, 1975, and the wholesale customers would receive refunds totaling \$4.5 million. It stemmed from talks between the power company and ElectriCities, the state's organization of municipal power systems. In those talks, the two parties agreed on terms for a settlement of their differences but part of that agreement applied to the rates for the EMCs, since the cooperatives and municipal systems are lumped together for rate purposes. As a result, the agreement would be void unless it could be accepted by the EMCs, which were not involved in the talks.

After reviewing the agreement's terms, EMC officials declined to accept it fully but agreed to use it as a basis for resuming negotiations on the matter with CP&L. Those negotiations are continuing and have now been broadened to include a second wholesale rate hike which was put into effect by CP&L on May 1.

N.C.EMC, representing the 18 EMCs

served by CP&L, and ElectriCities had conducted joint negotiations with the power company regarding the two rate increases from the fall of 1974 until those talks broke down last April. The cities group later began independent negotiations with CP&L.

Both rate proposals were filed with the Federal Power Commission and allowed to go into effect under bond, subject to refund pending a ruling by the agency on their acceptability. The first was for about 61 per cent, or \$9.4 million a year and the second was for another 35 per cent, or about \$13 million a year.

## ENERGY CRISIS MEASURES

The 1977 General Assembly will be asked to adopt a proposal which would give the governor and the State Utilities Commission authority to impose mandatory energy conservation measures if there is another severe energy crisis.

Prepared by the North Carolina Energy Policy Council, the plan permits the state's chief executive to impose various restrictions with the approval of the Legislative Committee on Energy Crisis Management. The plan calls for the Utilities Commission to require that power companies reduce coal use, cutting voltage and rotating outages and to examine methods of pricing of electricity to make conservation financially attractive.





☆ FIRST ENROLLMENT THIS YEAR ☆

# HOSPITAL MONEY!

January  
Enrollment

## AVAILABLE TO NORTH CAROLINA RURAL ELECTRIC MEMBERS

C.I.F. spent over seven years to fully develop this program. **RURAL LEADERS** helped in its design . . . men such as **ORVILLE L. FREEMAN** former: **United States Secretary of Agriculture** and **Governor of Minnesota**, **KENNETH STERN**, former: **President, American Institute of Cooperation**, **Trustee, American Country Life Association**.

**J. K. STERN**

Former: **President, American Institute of Cooperation**  
**Trustee, American Country Life Association**



"The years have taught me that adequate insurance at minimum cost is as important to the folks in rural areas as is electricity—and in my opinion C.I.F. is dedicated to serving that need. For this reason more than anything else, I am happy to be on the board and to help in some measure to further the success of this program."

Ken Stern  
C.I.F. Vice President/Director

**THE FIRST . . . THE OLDEST PLAN . . . with the MOST SATISFIED CUSTOMERS . . .** Developed to use the buying power of millions of Cooperative Members . . . to provide more dependable protection at low GROUP cost.

**THOUSANDS UPON THOUSANDS** of Rural Electric Co-op Members **COAST TO COAST** now rely upon the **Co-op Insurance Fund** for their hospital protection.

**DEPENDABLE . . . HONESTLY DESCRIBED . . .** The "CO-OP INSURANCE FUND" (C.I.F.) Hospital Protection provides High Benefits, fair and prompt claims service. Especially developed **for cooperative members . . .** the same plan provided to **cooperative employees**.

## "CO-OP" YOUR HOSPITAL BILLS

**NO OTHER HOSPITAL PLAN . . .** has ever been so widely introduced to members of so many **Rural Electric Cooperatives**. It represents an expression of concern for the health and welfare of the members.

Now you can "CO-OP" YOUR HOSPITAL BILLS . . . through the "**CO-OP INSURANCE FUND**." For most rural residents this plan provides their first opportunity to belong to an "Insurance Group" . . . and buy GROUP protection at low GROUP rates.

## HIGHER CASH PAYMENTS! . . . \$50.00 EVERY DAY!

- **REAL SAVINGS** thru . . . **LOW GROUP PREMIUMS!** **\$1,500.00** — (one thousand five hundred dollars) — **MONTHLY**
- **FOR YOU . . .** if you have **NO Hospital Insurance!** **\$18,000.00** — (eighteen thousand dollars) — **YEARLY**
- **FOR YOU . . .** if you need **EXTRA MONEY** **PLUS \$5,000.00** — **100 TIMES** the Daily Hospital Payment . . . **in case of accidental death.**

## LOWEST COST through "GROUP ACTION"

### CONSIDER THESE FACTS:

- **This year hospital costs are averaging \$128 per day.** (American Hospital Association)
- **One person in every third family will go to the hospital this year.**
- **Almost everyone — will go to the hospital sooner or later.**

**NO HOSPITAL PLAN PAYS FOR EVERYTHING . . . YOU NEED EXTRA HOSPITAL MONEY!**

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Are you interested in Coverage for ☐ Male? ☐ Female? ☐ Children?  
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NC-1





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Kernersville, NC



Chuck Keller  
Kings Mountain, NC



Dr. Lewis C. Dowdy  
Greensboro, NC



Lindley Ivey  
Gibsonville, NC



David F. Ruff  
Hendersonville, NC



Mike Helms  
Peachland, NC



Ramon E. Smith  
Dana, NC

# Tar Heels Honored for 4-H Work

Fourteen 4-H members from North Carolina have claimed \$11,800 in scholarships at the 55th National 4-H Congress. Each was named a winner in programs arranged by the National 4-H Service Committee and supervised by the Cooperative Extension Service.

Selected for their accomplishments in 4-H projects and activities, leadership development and growth in personal, community and civic responsibilities, 276 winners nationwide shared \$215,000 in educational grants.

North Carolina's other national winners, the amounts of their grants, the program in which they won honors, and the donors of awards were:

**Shirley Goodnight**, 19, of China Grove, \$800, achievement, Ford Motor Company Fund; **Charles D. Keller**, 19, of Kings Mountain, \$1,000, automotive, The Firestone Tire & Rubber Company; **Katie Fortmeyer**, 18, of Garner, \$800, citizenship, In Memory of Thomas E. Wilson; **Kathy Kearns**, 18, of Asheboro, \$800, clothing, Coats & Clark Inc.

**Margie Sanderson**, 19, of Four Oaks, \$800, dress revue, Simplicity Pattern Co. Inc.; **Michael Helms**, 18, of Peachland, \$800, electric energy, Westinghouse Electric Corporation; **Karen Griffin**, 17, of Marshville, \$800, food-nutrition, General Foods Corporation; **Ramon E. Smith**, 16, of Dana, \$800, forestry, International Paper Company; **David F. Ruff**, 20, of Hendersonville, \$1,000, forestry, Homelite, a Division of Textron Inc.

**Lindley S. Ivey**, 17, of Gibsonville, \$800, health, Eli Lilly and Company; **Renee Adams**, 17, of Hiddenite, \$800, horse, National 4-H Service Committee; **Phillippa Smith**, 18, of Dana, \$800, leadership, Reader's Digest; **Larry D. Revelle**, 19, of Ahoskie, \$800, public speaking, Union Oil Company of California, and **David M. Weavil**, 18, of Kernersville, \$1,000, safety, General Motors.

In addition, North Carolina also had two national winners in the 4-H alumni recognition, **Dr. Lewis C. Dowdy** of Greensboro, and **Dr. Rachel Davis** of Kinston. Each received a gold key as one of eight national winners.

**Christa Gay Blanton**, 19-year-old daughter of Mr. and Mrs. James E. Blanton of Kenansville, has been chosen as the 1977 Poultry



Queen by the North Carolina Poultry Federation. A psychology major at UNC-CH, she will represent the federation and the state's poultry industry at exhibits fairs, and other events across North Carolina.

Seven North Carolinians and members of eight Tar Heel Future Farmers of America chapters were honored recently at the National FFA Convention in Kansas City. The individuals who were recognized received the Honorary American Farmer Degree. They were **Wally Ausley**, farm director of WPTF Radio; **A. L. Carson**, a consultant for agricultural education with the Department of Public Instruction; and five agricultural teachers: **Rick French** of Carteret County, **Robert Goodson** of Buncombe County, **Roger Newby** of Carteret County, **J.E. Sheffield** of Montgomery County and **R. A. Smith** of Beaufort County.

The FFA Chapters receiving national chapter awards were North and South Lenoir, West Columbia, Sun Valley in Union County, Bartlett Yancey in Caswell County, Southern Wayne, West Carteret and Cary.



Larry D. Revelle  
Ahoskie, NC



Kathy Kearns  
Asheboro, NC



Katie Fortmeyer  
Garner, NC



Renee Elaine Adams  
Hiddenite, NC



Phillippa Smith  
Dana, NC



Shirley Goodnight  
China Grove, NC



Dr. Rachel Davis  
Kinston, NC



Karen Griffin  
Marshville, NC



Margie Sanderson  
Four Oaks, NC



# An Important Announcement from NRECA

## OUR OWN GROUP HOSPITAL CASH PLAN IS NOW OPEN TO ALL NORTH CAROLINA RURAL ELECTRIC CONSUMER MEMBERS



NRECA is the national association for all statewide and local Rural Electric Cooperatives giving you and your local Cooperative national representation. ELCO stands for NRECA's own insurance programs. Originally these ELCO programs were created to serve only RE employees and directors. Now these same wonderful ELCO programs are available to all RE consumer members as well.

### ☒ Check these Valuable Features

### ☒ YOU CANNOT BE TURNED DOWN ... NO AGE LIMIT.

RE Consumer members of all ages and families of all sizes are guaranteed acceptance.

### ☒ CASH BENEFITS PAID FROM THE FIRST DAY —

or you can even select a money-saving deductible.

### IMPORTANT:

No one can be accepted after this Enrollment Period closes. Mail coupon today for your **FREE** group kit or just dial our toll-free 800 number. There is absolutely no obligation. This Group Enrollment Period closes Monday night, February 28, 1977.

This RE Group plan is recommended and endorsed by your National Association to all Co-op employees, directors and consumer members and is underwritten by Continental American Life Insurance Company of Wilmington, Delaware.

## memo

Robert D. Partridge  
Executive Vice President, NRECA

If you think you could use an extra \$30.00 a day ... \$900.00 a month when you're in the hospital ... **double benefits of \$60.00 a day ... \$1,800.00 a month**, if it's for cancer, heart attack or stroke ... mail the coupon on this page or call the toll-free number below and the **free** RE group information guide will be mailed to you. (No one will call.) Your free kit will give you complete details including the group rates, benefits, what is covered and not covered and the terms of renewability. But please act today—don't lose your opportunity because you waited too long!

Also, a word of advice—this group plan is the **only** supplemental hospital cash plan endorsed and recommended by your National Rural Electric Cooperative Association. Don't be fooled by look-alikes!

*Robert D. Partridge*

### ☒ BENEFITS NEVER REDUCED —

Full benefits paid even after age 65. A valuable benefit because, according to the Department of Health, Education and Welfare, as good as Medicare is, it pays on the average only 61% of health care costs.

### ☒ CASH BENEFITS PAID DIRECTLY TO YOU — unless you tell us otherwise.

### ☒ CASH BENEFITS PAID ON TOP OF OTHER COVERAGES —

Over and above **any** other benefits you may collect including Medicare.

### Valuable Added Feature

### ☒ DOUBLE BENEFITS —

\$60.00 a day, \$1,800.00 a month paid for as long as 3 full years for covered hospital confinements caused by cancer, heart attack or stroke.

The RE Consumer Service Center now has  
a toll-free number **1-800-441-7004**.

Your personal **FREE KIT** is waiting.

Just dial our 800 number and ask for Bill Plunket and he will mail it today ... (or fill out and mail the coupon below.)

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## General Assembly '77

### Legislative Leaders See "Hard-Working" Session

#### Key Issues

The 1977 North Carolina General Assembly is expected to consider a number of critical, far-reaching issues. Among them are:

- Constitutional amendments granting the governor veto power and permitting gubernatorial succession.
- Capital punishment.
- Revision of the statewide election statutes to change the date of the primaries.
- Utilities reform.
- Various reforms in the state's criminal justice apparatus, including measures designed to reduce crime, provide speedy trials and improve the penal system.
- Ratification of the Equal Rights Amendment.
- Government reorganization.
- A \$300 million bond issue for new highway construction.
- Local option on liquor by the drink.

On January 12, the North Carolina General Assembly will convene for what may become one of the most significant legislative sessions in many years.

At least, that's how the presiding officers from the legislature's two houses see it at the outset:

"The sheer number and importance of the issues to be considered makes it an important session," said State Rep. Carl Stewart of Gastonia, speaker of the House of Representatives. "We'll have more critical issues facing us than we've had in many years."

Lt. Gov.-elect Jimmy Green, who'll preside over the Senate, said, "It's necessarily going to be a hard working session" because of the tight budget situation and the many other controversial issues expected to come before the body.

Stewart, who'll be serving his sixth term in the House, expects between 2,500 and 3,000 bills to be submitted to the Assembly, many of them dealing with money. The volume of legislation expected stems largely from the return of a Democrat to the Governor's Mansion following four-years of Republican administration, he said.

Gov.-elect Jim Hunt will be more of "an active governor" than his predecessor, and is expected to offer the legislators a lengthy list of proposals to launch his administration.

"We'll be getting his recommendations soon after we convene," Stewart said.

In addition, the election of a Democratic governor may inspire many of state government "departmental types" to bring forth legislative proposals on matters which they've kept on the back burner for the past four years.

The House Speaker believes the change in administration will eliminate the "automat suspicion" which greeted almost every proposal submitted to the Assembly by Gov. Jim Holshouse and make for a more harmonious working relationship between the legislative and executive branches of government.

"I think there will be a tendency to go along with the new governor and give him the benefit of the doubt, although the legislature will maintain its independence.



Green, a veteran state lawmaker and former Speaker of the House, agrees: "I look for a much smoother operation with the leadership being what it is. I'm sure there'll be some differences of opinion and that's the way it should be."

After all, he said, "most good legislation is the result of an effective compromise that's been worked out among reasonable people sitting down reasoning together."

The relationship between the General Assembly and the Governor's office is expected to come under close scrutiny during the session when the issues of gubernatorial succession and veto power are considered.

The absence of veto power and the no-succession restriction combine to weaken the power of the Tarheel governor and, in turn, strengthen the power of the legislature. As a result, the General Assembly traditionally has been reluctant to tamper with that balance of power.

Both issues will require that a constitutional amendment be submitted to a vote of the electorate and in order to do that, three-fifths of the legislators must support the idea. That's 72 in the House and 30 in the Senate.

"And that's hard to get," said Stewart. "But it should be for a constitutional amendment."

"It never has been done," Green said, adding that it's never even been close on those occasions when the questions have arisen in the past.

"I suspect that if it were to pass this time it would have to apply to 1980. It might not be proper for this governor to push it through to succeed himself."

Stewart agrees but expects some bills to be introduced calling for the measures to become effective upon passage. He believes the chances for passage "are improving" and would improve further if the proposed legislation exempted the incumbent governor.

"Gov.-elect Hunt has seemed to give greater emphasis to the need for succession, but I think I'd prefer to see adoption of the veto—for greater balance in governmental power."

The process of "setting the priorities" for the state's projected \$3.5 billion biennial budget also ranks high in Stewart's list of major issues that'll claim the assembly's attention.

Green considers this "the most important" of those issues.

"It just is because everything that we do in the way of state programming or providing a high level of services for the people is contingent on the revenue we have to appropriate."

When the session opens, he said, "we'll just be sitting here sort of holding our breath wondering if the income will be sufficient to keep the train going. You know, we may have to drop the caboose, if they aren't."

Both of the presiding officers expect the incoming freshmen legislators to be highly competent and willing to work. They'll also be somewhat younger than their veteran counterparts and include more women in both houses.

"The volume of work required today for a legislator has pretty much rid the General Assembly of those who might want to come to Raleigh and enjoy themselves," said Stewart, adding:

"The day has long since passed when three or four members of the legislature got together and did all the work, while the rest just sort of waited around for the bills to be submitted for a vote."

Today's legislator, he said, must be prepared to "commit himself to a full day's work when the legislature's in session."

And, according to Green, they must be willing to make some financial and professional sacrifices in order to serve. The solons' remuneration for serving feels the effects of inflation just as much as state employees' salaries, but because of widespread concern over the economy he thinks "this isn't any time to talk about increasing the remuneration."

Stewart feels the per diem is "adequate" and should be adjusted only to stay abreast of the increases in the cost of living.

The legislative leaders differed sharply on the prospects for the length of the 1977 session. Stewart believes it'll last at least six months, possibly longer, with an additional two- to three-month session to be held in 1978.

The short session, he said, will be needed because the new governor simply will not be able to do all he would like to do in one regular term.

Green, on the other hand, believes the legislators will wind up their work within five months.

—Owen Bishop

"We'll have more critical issues facing us than we've had in many years."

—Rep. Carl Stewart  
Speaker  
N.C. House of Representatives



"It's necessarily going to be a hard working session."

—Lt. Gov.-elect Jimmy Green  
President  
N.C. Senate





# Tests Reduce Barns' Energy Use

Off-and-on operation of the fans on bulk tobacco barns can reduce the barns' power consumption by an average of 11 per cent without damaging the tobacco or extending the time required to cure it.

That conclusion is contained in a report on the results of summer-long experiment with the procedure involving field tests at tobacco farms across Eastern North Carolina. The report was prepared by Rupert Watkins, extension biological and agricultural engineering specialist with N.C. State University, who oversaw the study.

The report says leaf samples from each of the barns involved were inspected by government graders, who found "no significant difference" between tobacco cured in the test barns as

compared to that from the check barns at the same farms. When support prices of government grades were assigned to the samples, the average of the prices showed a "one-cent per pound advantage for the check tobacco," Watkins noted.

Curing times required, recorded to the nearest whole day, also showed "no significant difference."

Officials of both sponsoring organizations expressed cautious optimism regarding the study's findings.

While they are encouraged that the results appear to prove the procedure had no adverse effects, they feel the findings are not absolutely conclusive.

It is "historically hazardous to form ironclad judgements based on tests conducted in a single

year," Watkins said.

Morris Skipper, manager consumer services for Four Corners EMC, Burgaw, who oversaw the project for N.C. EMC, agreed. "The findings do show promise but unfortunately they do not



Gary Roberson, an NCSU student from Macon County who served as a technician in the tobacco barns study, takes a moisture reading as part of the experiment.

## N.C. Farm Materials Handling Exposition

**Livestock Events Building  
N.C. State Fairgrounds  
Raleigh, North Carolina  
Feb. 2-3, 1977**

*"Results of the combined and continuing efforts of research, education and industry to increase agricultural production efficiency will be on display."*

**—J. E. Legates  
Dean of Agriculture  
and Life Sciences  
NCSU**

*"There is no better way to keep up with technological advances in mechanization than to be in Raleigh Feb. 2 and 3, 1977, to see and discuss the latest developments with equipment suppliers and dealers at the Sixth N.C. Materials Handling Exposition."*

**—James A. Graham  
Commissioner of  
Agriculture**



### Features Exhibits By 75 Dealers

Here are some of the pieces of equipment or systems to be included:

Barn Cleaners  
Heating Equipment  
Augers  
Building Materials  
Bulk Tobacco Barns  
Manure Handling  
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Blowers

**Hours: 9:30 A.M. — 5:30 P.M.**

Sponsored by NCSU, Carolina Power and Light Co., Duke Power Co. and N.C. Electric Membership Corporation.



far enough."

Additional studies along the same lines may be needed, before the technique can be recommended for large-scale use, they added.

The \$11,000 experiment was financed by North Carolina EMC and conducted by NCSU's Agricultural Extension Service and Agricultural Experiment Station. It involved tests on 15 farms in 11 Eastern North Carolina counties. They included five farms in the Border Belt, five in the Eastern Belt and five in the Old Belt.

Test barns and matching check barns were selected at each farm, with controls being installed on the test barns to control fan-operating time. Between 3 and 9 p.m. each day, the fans on the test barns operated only 40 minutes of every hour on a 10-minutes off, 20-minutes-on schedule.

The purpose of the study was to determine if this kind of intermittent fan operation could be used to reduce the energy requirements of bulk curing without harming the leaf. If widely-adopted, the procedure could bring about a significant reduction in the overall power demands which utilities face during late afternoon-early evening periods of peak use each summer.

In Eastern North Carolina, power use normally reaches its daily peak during this period year-round, but the tip of that peak moves up drastically in the summer due to the heavy loads placed on power systems by air conditioning and bulk curing.

The motors which operate the fans on these barns ordinarily run around the clock throughout the six- to eight-week curing season, consuming a tremendous amount of power during the critical period of peak demand. As a result, many leaf farmers are being required to pay a "demand charge" or surcharge on their power bills all year long, even though they use the barns only during the curing season.

The theory behind this charge is that power generation, transmission and distribution facilities must be built and maintained at a level

adequate to meet that summer-time peak, when much of it isn't needed during the remainder of the year.

These demand charges were not considered as part of the study. As a result, the potential savings to be realized from the procedure could be far above the 11 per cent mentioned in the findings.

More than 40 per cent of North Carolina's huge tobacco crop is now cured in bulk barns and authorities in the field expect nearly all of it to be bulk cured by 1980.

## PATIO OR DWARF FRUIT ★ TREE SALE ★



No longer just a special feature of exclusive gardens, dwarf fruit trees are now available to all, and at reasonable prices. These wonderful space saving trees are produced by budding or grafting regular varieties on special dwarfing rootstocks. Even though the tree remains much smaller the fruit is of full size and quality. One outstanding feature of dwarf trees is that they begin to bear fruit when only 2 or 3 years old. Just the thing for home gardens where space is so valuable. These trees usually reach 6 to 8 feet at maturity.

LESS THAN  
**\$2.75**  
EACH  
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All trees shipped at 2 to 3 feet and you may choose from 8 varieties consisting of apples, peaches, apricots, and plums in any combination.

### GUARANTEE

All plants carry a complete satisfaction on arrival or we will replace or refund your money.

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Any 6 Dwarf Fruit Trees	\$15.98
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Any 16 Dwarf Fruit Trees	\$39.98

<b>APPLES</b>	<b>NO.</b>	<b>PEACHES</b>	<b>NO.</b>
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Yellow Delicious	___	Belle of Ga	___

<b>APRICOTS</b>	<b>NO.</b>	<b>PLUMS</b>	<b>NO.</b>
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*Please look for our other ad in this magazine*

**PLEASE VISIT OUR RETAIL GARDEN CENTER IN McMINNVILLE**



## A Timberlake From Timberlake Buys . . . . A Timberlake

The order came into the Carolina Country office in the usual manner—amid the mountains of junk mail, bills, postal returns and correspondence which arrive daily.

It was an order form from the magazine's recent offer for miniprints of Bob Timberlake paintings, filled out in the usual manner.

But it struck a responsive chord when it came across the secretary's desk.

"Well, what do you know," she said. "Here's a Betty Timberlake from Timberlake, North Carolina, ordering a Timberlake print."

"I can't believe it!" said the editor, joining the secretary in squinting at the state map on the wall. "Where is Timberlake anyway?"

They discovered that it's a small community in Person County.

With some digging, they also discovered that the two Timberlakes are related and that

the community is the site of the family's original home.

Mrs. Timberlake's husband, Raymond Edward, and Bob Timberlake are third cousins. And he once worked with Bob's father in the bottled gas business.

Raymond, now a textile worker, and Mrs. Timberlake, an LPN, haven't seen the artist in some time.

"My mother lives in Oriental and she gets the magazine down there. She saw the prints in it and especially wanted the coastal scene. So, I ordered it for her Christmas present," Mrs. Timberlake said.

The Person County Timberlakes live just across the road from the site of the original family home, which was torn down some time ago. However, it won't remain vacant much longer: The Timberlakes' son, William Joseph, and his wife will soon begin building a home at the same location.

## Chicken Cookers Can Pot \$10,000

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To enter, send your entry to: CHICKEN CONTEST, Box 28158,

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Entry blanks may be obtained from the N.C. Poultry Federation office, Box 2431, Raleigh, N.C. 27602, or entries may be sent to the Washington address on plain paper.

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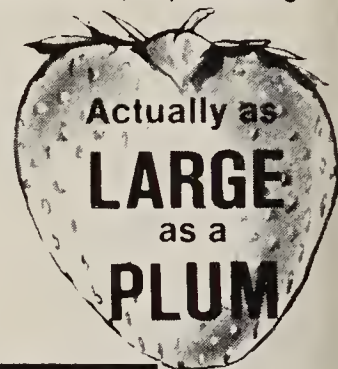
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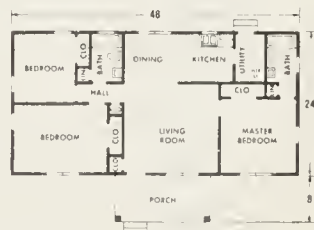
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If rural route, please give directions \_\_\_\_\_

I own property in \_\_\_\_\_ County.



# "THAT'S A NEGOTORY, GOOD BUDDY"

## CB ANTENNAS & POWER LINES DON'T MIX

Installing a home citizens band radio antenna can be a lot like "puttin' the hammer down" on the Interstate without knowing where all the "smokeys" are stationed.

Both situations are risky, but the antenna installation could wind up giving you one of several new "handles"—"Burned Up," "Kentucky Fried," "Dead Duck." The possibilities are endless. Still, they all add up to serious injury or your own permanent "10-4" to this old world.

The risks of do-it-yourself antenna installation arise from the fact that those home base antennas can easily come into contact with overhead power lines. And that's exactly what's happening as more and more CB'ers try to erect the antennas on their own—without making certain they can avoid those high voltage lines.

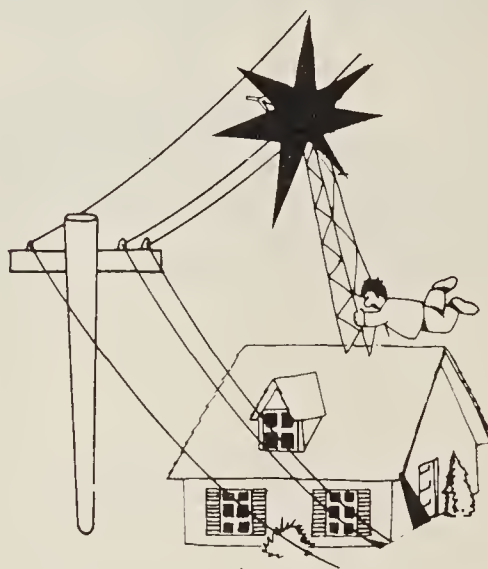
### Cause Of Fatalities

The CB antennas are now the principal cause of public fatalities in areas served by rural electric cooperatives according to the insurance industry. During 1976, 19 fatalities were reported as a result of CB antennas striking power lines.

A disproportionately large number of those deaths occurred in North Carolina. At least four people have died in the mountainous area of the state. On August 2, three of those were killed in Alleghany County when a

62-foot dry pine pole and antenna fell across a road onto a 12,000 volt line.

A mother, her son and daughter died in the attempt to move the antenna from one corner of the house to another. A son-in-law was seriously injured in the incident, which also caused the house to catch fire.



In addition, a Caldwell County man died while attempting to remove an antenna that had been secured to a tree.

Bob Moretz, director of operations for Blue Ridge Electric Membership Corporation, Lenoir, investigated both tragedies.

"It's obvious that these CB antennas are a very, very hazardous thing," he said. "People seem to have installing the antenna on their minds and

forget about anything that's overhead. They just don't look up."

Deaths have also occurred when television antennas and shorter CB antennas contacted power lines.

However, nationally the most prevalent lethal situation has involved light-weight, vertical, omni-directional CB antennas. These antennas measure 17 to 18 feet before being mounted atop long metal or wood masts.

### No Warnings

Antenna manufacturers provide general directions with their wares that call for installations to be made "in clear areas" away from wires, other antennas, etc., to maintain the efficiency of the CB antennas. Few, if any, enclose specific warnings to avoid power lines or give a description of the potential hazards.

Primary power lines are **not** insulated.

### Ask For Advice

Kyle Roberts, statewide safety coordinator for North Carolina's electric membership corporations, said co-op members should contact their EMC office for advice and possible assistance before moving or installing a CB antenna.

"Don't take chances," Roberts said. "No amount of time or money saved is worth the risk of your life."



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I OWN A LOT? YES ☐ NO ☐ LOCATED IN ..... (COUNTY)

CC-1-77





Left—Strip mining damages the surface of the land and erosion compounds the problem before cover crops are put in, as on this tract in Mitchell County. Below—District Conservationist Ray Bryant of the Soil Conservation Service, left, and Chairman Ed Wilson, Jr., of the Mitchell Soil and Water Conservation District, check plantings in this field where a thick cover crop of grass has reclaimed land that had been surface mined.



Surface mining can certainly create one of the more severe environmental problems to be found anywhere, and Mitchell County near the Tennessee state line had more than its share of disturbed topography from mining.

With five mining companies extracting feldspar and mica from the mountainous soil, large areas—more than 3,500 acres—began to resemble the Gobi Desert, with large eroded areas which sometimes assumed almost surrealistic aspects.

When you find a solution to a problem of these proportions, it's news—and a solution is being achieved in Mitchell and several surrounding counties. Although land restoration has made only a beginning, it is a good start—and the work is continuing.

The problem had been taking shape since the 1920's. Mine operators dug deep pits as they went after mica, and later, feldspar. The first mines were underground shafts. But surface or "strip" mining followed as heavy equipment became available, and by the early 1950's, the erosion and damage was a cause for alarm. In 1953, when the Mitchell Soil and

Water Conservation District was organized and professional help was made available by employees of the USDA-Soil Conservation Service, one of the first objectives was to seek a remedy—and improve the condition of the Toe River, filled with mine tailings, and the surrounding land.

Despite this concern voiced by supervisors of the Mitchell District, getting work started was not easy. First, educational work was needed to build a feeling of public concern over the problem.

When opinion did swing, reclamation work was begun—but did not really get moving until 1969, when many community leaders were concerned about the spreading erosion and land damage.

With public opinion behind a reclamation program, work began. The Soil Conservation Service began recommending conservation practices, and also made trip plantings to see what grasses and other plant materials would help the erosion problem.

Acting on recommendations of the SCS and district supervisors, the mining companies brought in machinery and began to do land smoothing and leveling. Karl

Graetz of Raleigh, plant materials specialist for the Soil Conservation Service, experimented with plants—and found that some would succeed while others would not in the chilly mountain climate.

Vocational agriculture teachers and their students also became involved, and the program moved ahead. It was in this climate that the North Carolina Mining Act of 1971 was enacted by the General Assembly, and more mine operators came to the SCS for technical assistance.

A modest success has been achieved; some 50 acres have been restored. But, as Ed Wilson, Jr., dairy farmer and chairman of the Mitchell Soil and Water Conservation District, puts it: "The thing is that the effort is continuing, mining companies want to move ahead with this work."

The restored areas look almost like prairie land, with a thick coating of grass or with healthy growth of shrubs and trees. The bizarre erosion of the once-ravaged areas now appears in harmony with undisturbed surroundings.

William E. "Bill" Arrowood, geologist and land reclamation



## commentary:

# Suicidal Energy Course?

Text by Ray Bryant, district  
conservationist with USDA-Soil  
Conservation Service, Bakersville.

Photos by Frank Jeter, Jr., public  
information officer with USDA-Soil  
Conservation Service, for North  
Carolina.

(This editorial is reprinted from *Living in South Carolina*, the  
statewide publication of the S. C. Electric Cooperative  
Association. It was written by R. D. Bennett, executive vice  
president of the association.)

engineer for the Harris Mining  
Company, one of the five large  
operators in the area, is optimistic  
about the future—and proud of  
past accomplishments.

"Of course we'll keep on  
working toward this goal," he said  
recently, "and we know the  
techniques that will do the job."

Finding the techniques and  
materials was not easy. For a test,  
plantings were made of Virginia  
pine, white pine, and a tree called  
European alder. The alder was a  
notable success, both pines a  
comparative failure. Weeping  
grass for immediate growth  
and sericea lespedeza were also  
highly effective. Shrub lespedeza,  
which provided wildlife food and  
habitat, and another shrub called  
locust also worked well.

With machinery to smooth  
ravaged land, and good cover  
crops to provide protection for the  
lands once restored, the effort  
seems to be moving now.

When the work is complete,  
some of the most scenic  
topography in the Southeast  
United States will be restored to a  
natural balance.

It can be done. But it takes  
public concern and scientific  
techniques, including the right  
plantings, to get it done.

Aubrey Wagner is Chairman of the Board of Directors of the  
Tennessee Valley Authority (TVA), and recognized as one of the  
most knowledgeable utility executives in the United States. He is  
not an alarmist, but a cautious planner and leader.

Back in September he said, "The United States is heading  
toward national suicide unless its citizens demand immediate  
action toward solving the nation's energy problems."

When the lights go out, he said, it will be too late to move  
swiftly. "If I had to point to one fault we have as a people and  
political system, it is our penchant for inaction unless the worst  
happens."

"What is it going to take," Wagner asked, "to make our people  
understand that unless we solve our energy problems, we are  
headed for national suicide?" Most people, he added, do not  
believe this country still has energy problems.

"As long as motorists can fill their gas tanks at the  
neighborhood filling station," Wagner charged, "the energy  
problem is not real to them. To most people, energy shortage  
and gasoline shortages are synonymous—to the exclusion of all  
else."

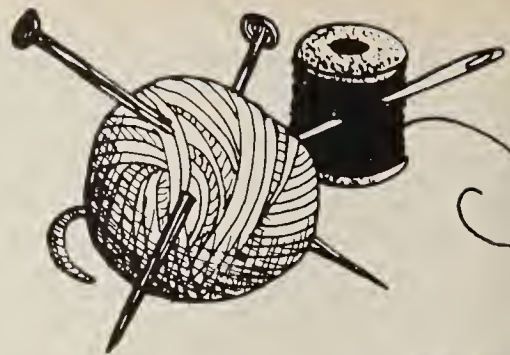
This leader in the utility field has put his finger right on a major  
problem facing this country: Apathy. A refusal to accept reality  
and the unpleasantness it can bring.

This nation teeters on the edge of a massive power shortage,  
an electric power shortage which will not only change our  
comfortable life style, but threaten our very existence as a  
nation.

Americans must recognize this problem and resolve to do  
something about it: Use electricity wisely and efficiently, and  
demand that the nation's leaders develop and implement a  
national energy policy.



# Needlecraft



Pattern No. 7122 includes Child's sizes 4, 6, 8 and 10.

Pattern No. 7014 includes easy-to-follow instructions and beginner crochet stitches.

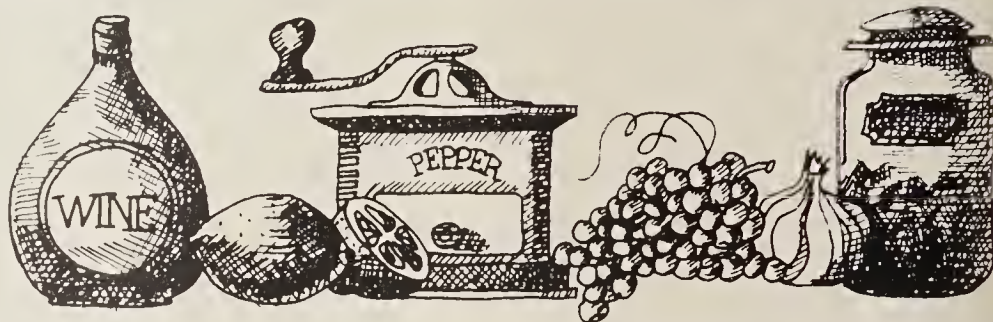
Pattern No. 7138 includes embroidery patterns for birds and flowers of the 50 states (makes a 72 x 110" quilt).

Pattern No. 7159 includes Misses' sizes 8, 10, 12, 14, 16 and 18.

Pattern No. 7020 includes easy crochet directions for this fan-of-four colors shell afghan.

Send \$1.25 cash (no stamps) for each pattern to: CAROLINA COUNTRY, Box 42, Old Chelsea Station, New York, N.Y. 10011. Add 35¢ for first class mail and special handling. Be sure to include your full address and zip code.

## Country Kitchen



### HAMBURGER CHOP SUEY

The perfect meat casserole dish for the calm of January after the rush of the holiday season, "Hamburger Chop Suey" is both easy to prepare and delightful to the palate. Try it, and see how fast your January brightens up!

The *Country Kitchen* batting average on reprinting recipes has been surpassing all expectations lately! Just so we keep all our cooks out of the confusion, we must make a couple of corrections. From the November *Carolina Country*, you will need 1¼ c. all-purpose flour to make Juanita Greene's "Fruit Nut Bread." Also, you should mix the first three ingredients together before adding the fruit and nuts.

In our December *Carolina Homemaker* column's "Coca Cola Salad," we neglected to advise you to add the chopped marshmallows to the mixture of egg yolks and other ingredients in the double boiler when making the sauce.

Now ... our slate is clean! We start 1977 very carefully!

### COUNTRY KITCHEN RECIPE

Submitted by Mrs. J. W. Goldston of Portland, Ore.

### HAMBURGER CHOP SUEY

1½ lbs. hamburger  
(part beef and pork, if desired)  
2 lg. onions, chopped  
1 cup chopped celery  
Pinch of pepper  
1½ tsp. salt  
¼ tsp. garlic salt

1 T. molasses or brown sugar  
2 T. soy sauce  
1 c. bean sprouts or  
chop suey vegetables  
3 T. cornstarch  
1 c. water chestnuts, sliced

Brown meat. Add onion and celery, cook 5 minutes. Add molasses or brown sugar, salt, pepper, soy sauce and drained bean sprouts or vegetables. Add water to liquid drained from vegetables to make 1½ cups. Dissolve cornstarch in liquid and add to other ingredients. Cover. Simmer 20 to 30 minutes. Serve over rice or chow mein noodles. Makes 4 servings.



# Cheer!



A friend asked a well-known comedian, "How's your mother?"

"Terrible," said the comedian, "She's got chronic frontal sinusitis." "Good heavens, where did she get that?"

"From the Reader's Digest. She read about it last month."

\*\*\*\*

A life-insurance salesman was standing beside a tractor trying to sell a farmer a policy, but the farmer, looking down, said, "No, sir, I want no life insurance—when I die I want it to be a sad day for everybody."

\*\*\*\*

When I was in high school I was on the football team. The coach hardly ever used me because I was always telling jokes. Finally, it's the last game of the season, the crowd's shouting, "We want Youngman, we want Youngman."

The coach didn't even look at me. Twenty minutes later the team's really in trouble. The crowd shouts, "We want Youngman, we want Youngman."

So, the coach says to me, "Go out and see what they want."

\*\*\*\*

Anybody who finds it easy to improve his golf game probably does it with a pencil.

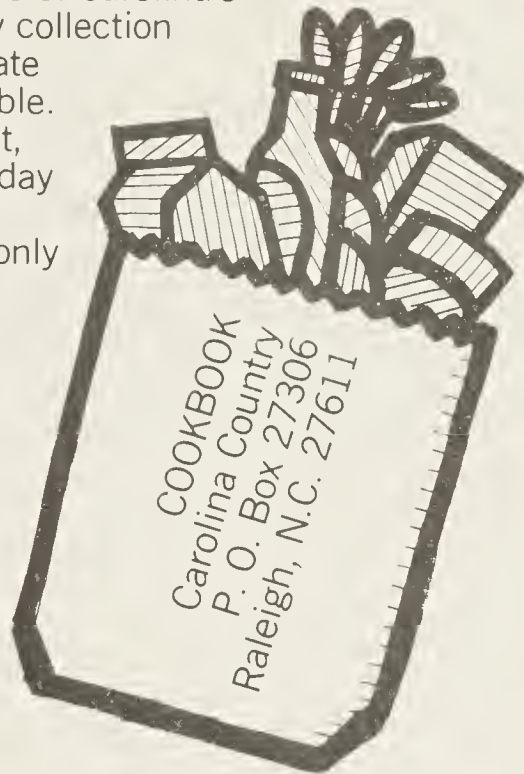


It may be plain, but the family's enjoyed your meat loaf for going-on twenty years now (better than anyone else's). Your favorite can become our favorite! If you'd like to share your unpublished recipe, send it immediately and join some of Carolina's best in a new culinary collection

that will appetize the palate and sweeten the family table.

Just type, or legibly print, your recipe and send it today with your name and complete address. We can only accept one recipe per person, so be sure to doublecheck all measurements and ingredients.

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# Stitch a sheet into stylish shades . . . screens

Everybody's doing it!

Today's sheets provide a decorator's touch to homes and a designer's flare to fashion. You can pick and choose from some of the most ingenious patterns available to make accents for your home and additions to your wardrobe. Choose from charming floral prints, smart stripes, sheets with striking borders or lovely solid color pastels.

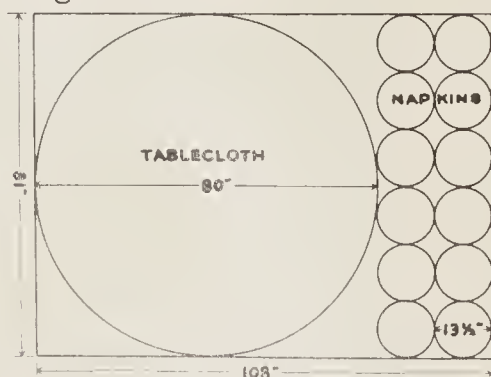
Besides being handsome in style, sheets offer the time-saving advantage of working with enormous expanses of seamless fabric. They are easy to launder, durable . . . and economical.

A double-bed size sheet contains about seven square yards of fabric. Divide this into the price of a sheet and you'll find it less expensive to use sheets for decorating than to buy comparable quality washable fabrics by the yard.

So, get your sheets ready! Here are just a few of the fantastic fashions you can sew with sheets . . . remember, stores across the state are boasting "white sales" right about now.

## ROUND TABLECLOTH

A double-bed size sheet yields enough material to make a cloth 80" in diameter, and 12 circular 13½" napkins. To cut out circular cloth, tie a pencil on a string 40" long. Put a thumbtack or pin at the other end of the string. Set the pin in the center of the upper portion of the sheet, measuring first, to be sure you can draw a complete circle. Using string and pencil, compass fashion, outline a circle for the tablecloth. For napkins, draw 12 circles in the same way, measuring with a 6¾" string. Once cut and hemmed, you have a tablecloth! Use your imagination for adding trims such as ribbon, bias tape or fringe. Here's how:



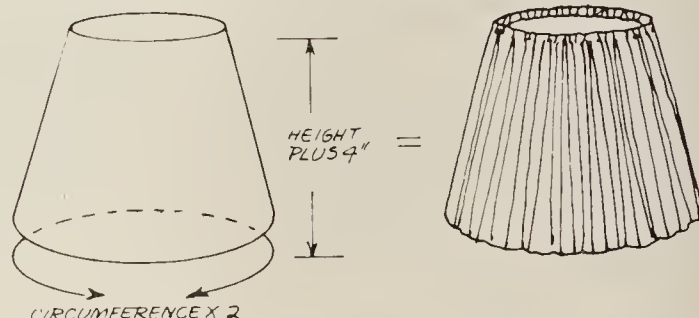
## Carolina Homemaker

Special thanks to the "folks in the know" at Cannon Mills, Fieldcrest Mills and Springs Mills for the information and patterns used in this story.

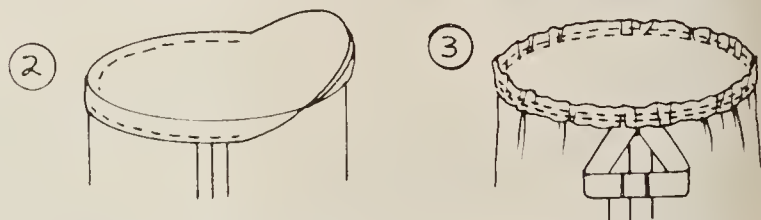
## GATHERED LAMPSHADE

This pattern can also be used as an easy and attractive way to cover a wastebasket, flower pot or plant stand. Here are the easy-to-follow directions:

1. Measure the height of your shade, basket or pot. Add 4". Measure circumference and multiply times 2.
2. Cut a strip of sheet to these dimensions.



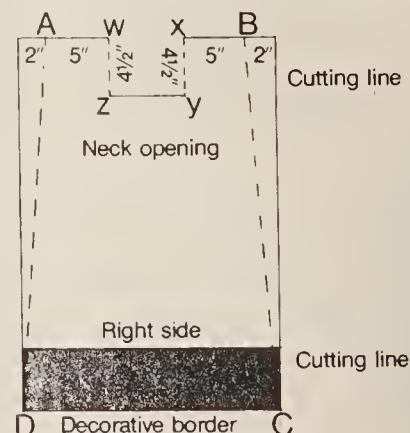
2. Seam the short ends to gether. Fold the raw edge under ⅛". Turn the folded edge down ⅝" to form casing. Stitch close to folded edge, leaving an opening to insert elastic. Repeat with bottom edge.



3. Cut ⅜" elastic and run it through the casing, drawing it up so the cover fits the shade snugly. Cut off the excess elastic, sew ends together. Close the opening by stitching by machine or by hand.

## FASHION TUNIC TOP

One standard size pillowcase can easily be transformed into an attractive tunic top! Just taper the pillowcase, cut a neck opening, add grosgrain ribbons for side sashes. The decorative border or hem of the pillowcase will be the hem of the tunic. In less than an hour you have a neat apron, beach cover-up, or another separate for your wardrobe. Here's how:

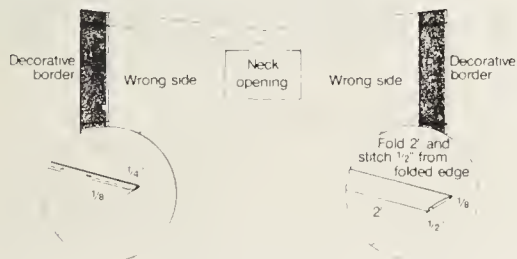




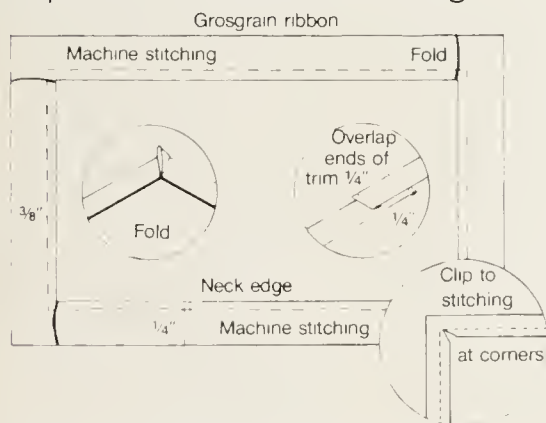
# .stands . . .

1. Lay pillowcase flat with open end (decorative border or hem) at the bottom. At top (seamed) ends, measure 2" from sides toward center and mark points A and B. The bottom right corner of the pillowcase will be point C, and the bottom left corner will be point D. Draw lines AD and BC. From point A, measure 5" toward center as illustrated and mark point W. From point B, measure 5" toward center and mark point X. Mark points Y and Z by measuring down 4½" from points X and W, respectively. Draw lines between points X,Y,Z and W. Cut along lines AD, BC, and XYZW. You have now tapered the tunic and cut the neck opening.

2. Open out the pillowcase as shown in drawing. Press raw side edges under ¼" to the wrong side. Machine stitch ⅛" from folded edges. Turn under side edges 2" to the wrong side. Topstitch ½" from folded outside edges.



3. Pin grosgrain ribbon to right side of fabric at tunic neck edges. Fold at corners as illustrated. Turn ends under ¼" to the wrong and overlap ¼" where they meet. Cut off excess grosgrain ribbon. Machine stitch ¼" from the neck edge. Clip to stitching at corners. Turn grosgrain ribbon to the wrong side of tunic and press. On outside, topstitch ribbon in place ⅜" from the neck edge.

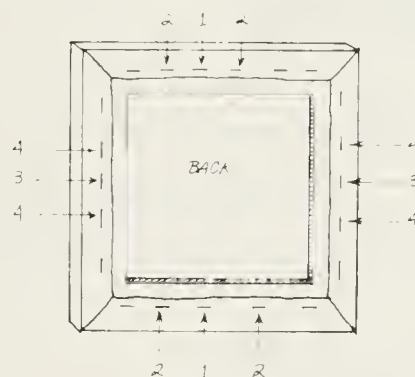


4. Cut grosgrain ribbon for side sashes into four 18" lengths. Turn one end of each length under ¼" twice to finish raw edges. Stitch to hold in place. Press. Cut unfinished ends of ribbon at two 45 degree angles, as shown, to prevent raveling. On inside of tunic, pin ribbons to tunic 1½" above waistline on left side and right side of the front and back. Machine stitch sashes to tunic directly over topstitching at side seams.



## STRETCHER BAR ART

Whether you frame a 5' x 5' sheet masterpiece or a 16" x 24" pillowcase picture, stretcher bars can help you bring "new art" into your home. These soft wood strips are available in pre-measured and pre-mitred lengths from art supply or art needle departments. All you do is push them together to create your frame.



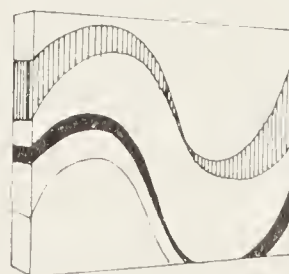
1. Cut sheet or pillowcase at least 2" wider and longer on each side for wrapping. Lay the fabric face down on smooth surface and center the frame on top. Use push pins to hold the sheet while you check from the side to be sure everything is straight and centered.



2. Bring sheet up and over the bars and staple at center top. To the same at center bottom, keeping the fabric taut as you work. Follow the numbered diagram and keep stapling toward the corners.

3. Finishing the corners is a two-step process. First smooth the fabric along the stretcher bar, then pull it into a mitred fold and staple it in place.

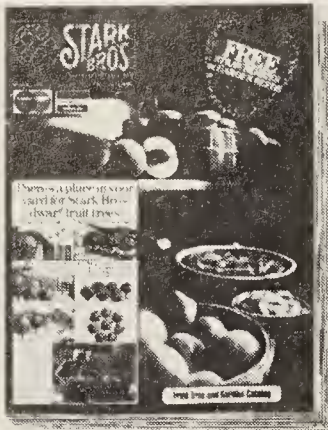
4. Pick up the remaining fabric and smooth it into a sharp corner, wrap it to the back side and staple it in place on top of the first step.





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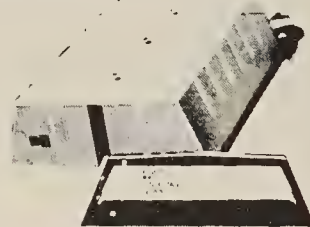
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# Go to Washington, young men & women!



Believe it or not, in the 10 years since the first North Carolina Rural Electric Youth Tour, there are many young people who still think "it's a waste of time" to write an essay or enter their local EMC's contest.

According to our former Youth Tourists, we hear that we should let the young people in the state's 28 electric cooperatives "know how important and rewarding the Tour is and tell them how simple it is to have a great time in Washington."

So, from our 1976 Youth Tourists, here's the lowdown on what the Rural Electric Youth Tour is all about:

Jeff Cardwell of Davidson EMC thinks the panel of Congressmen he heard during the tour was a good idea. "It gave the Youth Tourists a chance to question the actions of Congress—which, since most of us could not vote, could otherwise have never happened."

David Goins of Brunswick EMC agrees, saying, "The one thing I liked best about the trip was seeing the Senate in action."

The essay-writing contest used in many EMCs is the subject of Robin Gottlieb's comments. She was a 1976 Tourist from Brunswick EMC, too.

"I think that the method of selecting our EMC's youth representatives is great. It shows how much the student is interested in history and the EMC. The only problem is that the idea of having to write an essay turns many off."

But, says Donna Rea West of Lumbee River EMC, "I liked it. I like the idea of writing essays. It tests your brain."

Essays or not, the 1977 Youth Tour is on the way and former Youth Tourists are full of encouragement for this year's students to "participate."

Like Richard Durham of Surry-Yadkin EMC, the young people who went on last year's tour came home with a new perspective on their country:

"One of the reasons that I think some more at my school didn't enter is because they thought you had to be a 'super-patriot' or 'flag waver' to go on the tour. Since going, I wouldn't mind someone calling me that. These people, like me, are going to have to go on the tour before they get this widened outlook.

The tourists don't stop when they get to Washington. They visit with their Congressmen and, as one young man put it, "It was nice to have someone from near your home to take you around and really sit down and talk to you about politics."

They see Arlington National Cemetery, with its Tomb of the Unknown Soldier and Eternal Flame at John F. Kennedy's grave: "The tour of the national cemetery really brought a deep appreciation of our country and our ideals to me. To see all those who have died can bring a tear to your eye, but a smile inside to think how great a place it must be for all those to have died in its behalf."

They got together with young people from all over the country and some foreign nations: "One of the more touching and interesting parts of the tour: people from different parts of the country showing a real interest in government."

There are fun things on the Rural Electric Youth Tour—a show at the Kennedy Center for the Performing Arts, a trip to the National Zoo

. . .and there are educational things—the tour of the F.B.I., a trip to the National Rural Electric Cooperative Association's headquarters, visits to the capital, the White House (the President greeted us last year!), the Congress

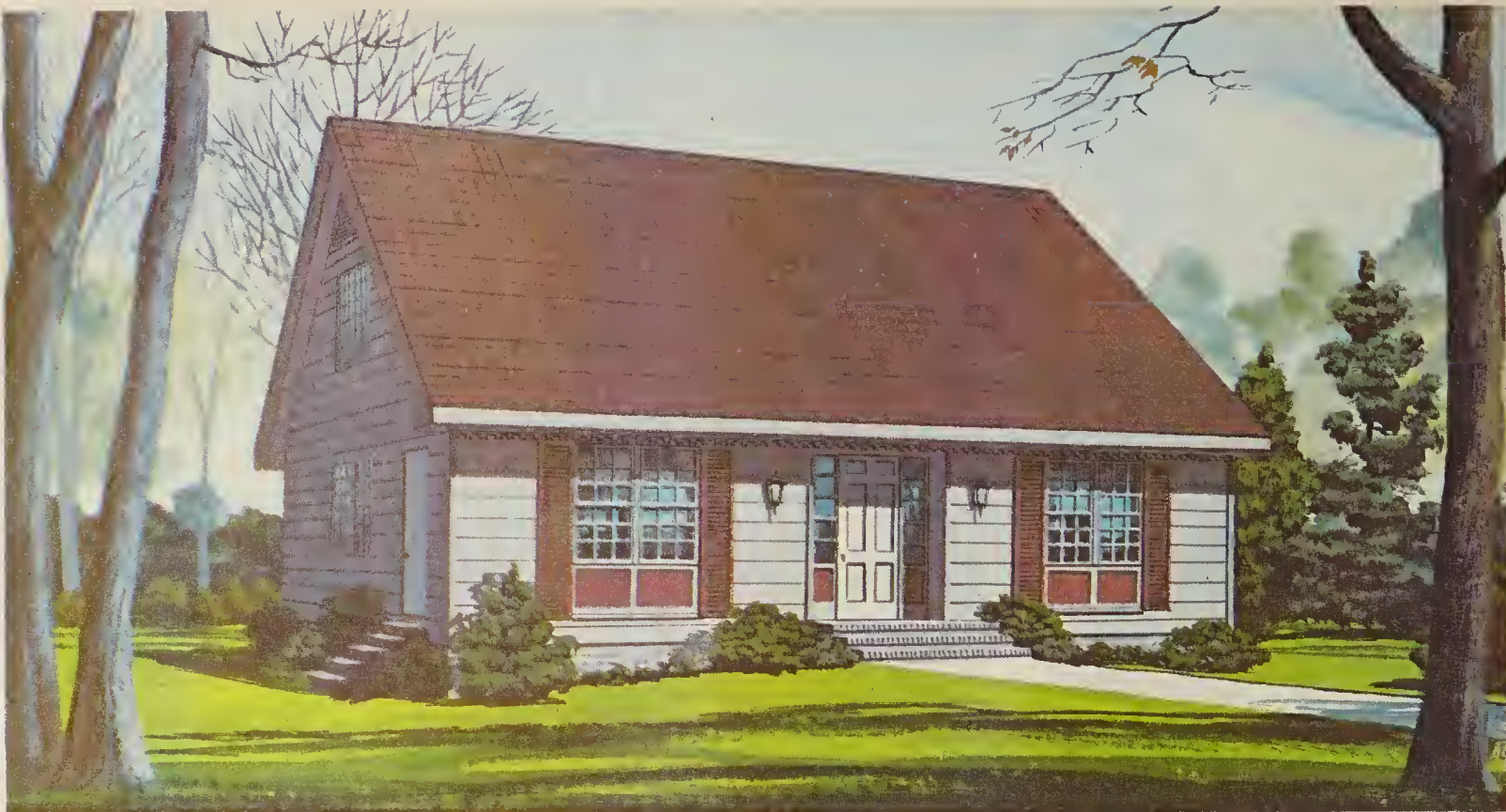
. . .and there are moving, unspeakable moments—like the fellowship of 45 people on a bus singing the song they wrote, glancing up at Abe Lincoln's face in an early summer twilight . . . seeing it all for yourself.

## Take An Unforgettable Trip

Call your EMC today and find out how you can enter their contest for the 1977 Rural Electric Youth Tour. Hurry! Some EMC deadlines are only a few weeks away. Here's the list of North Carolina EMCs sponsoring Youth Tour contests this year:

Blue Ridge EMC  
Brunswick EMC  
Carteret-Craven EMC  
Central EMC  
Davidson EMC  
Four County EMC  
Haywood EMC  
Jones-Onslow EMC  
Lumbee River EMC  
Pitt & Greene EMC  
Randolph EMC  
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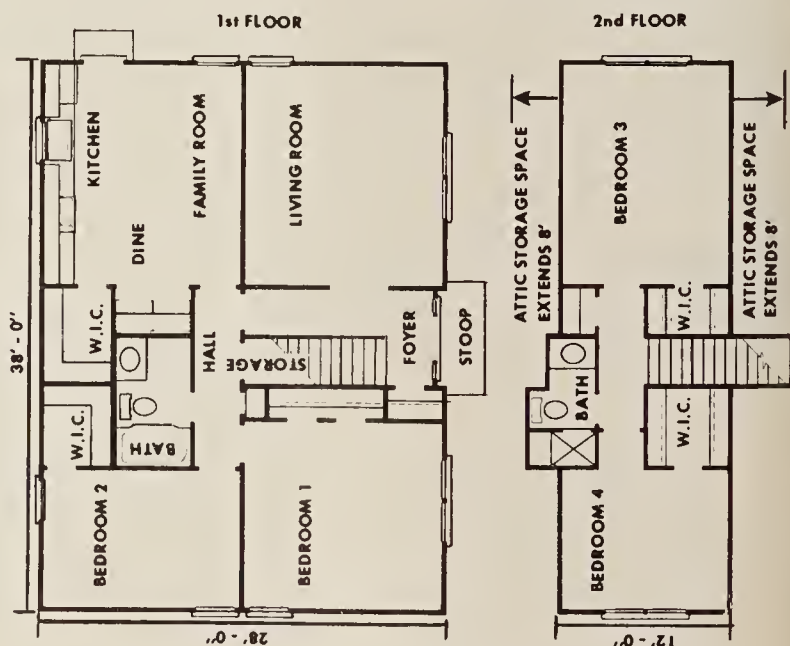
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## Carter Forces Expected To Seek 'Practical People'

The new administration in Washington is taking office with an acute awareness that it doesn't have solutions for all the nation's problems, a key official of the National Council of Farmer Cooperatives told the 19th Annual Institute for Cooperatives in early December.

Because the Carter Administration is aware of this shortcoming, it will "have to be pragmatic and look for managers and practical people rather than idealists," said Robert N. Hampton, vice president for marketing and international trade with NCFC.

Hampton also suggested that agriculture faces some major problems, including the question of whether it is to be considered as a factor in the overall economy when major national economic decisions are made.

"We must demand to be factored into important national policy decisions," he said.

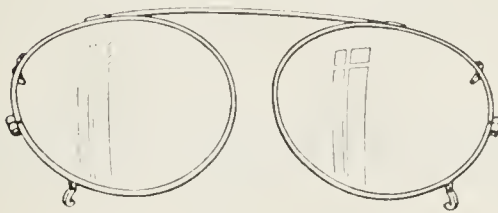
He pointed out that political action needs to be carried out on a bipartisan basis and the time to do it is during the campaigns "when candidates are receptive." The farmers' problems won't be heard "unless we can get to the leaders."

Hampton was one of the featured speakers during the institute, which was held in Hickory, Greensboro, Williamston and Fayetteville. Also on the program were Dr. Michael S. Turner, extension economist with the Department of Agricultural Economics at the University of Nebraska; and Robert D. Dahle, extension economist with the Department of Economics and Business at N.C. State University.

The institute is sponsored by the North Carolina Cooperative Council.

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## Searching Your Family Tree III

# Getting Started

By Dick Pence

**Third in a series of articles aimed at helping the beginner find out about his ancestors.**

Genealogists need to learn what written records are available and where to find them in order to do an accurate job on their family tree.

Generally, records are referred to as either "primary" or "secondary."

**Primary Records** are those which report an event at—or close to—the time it happened. They are an "original" record of a happening. Some examples: state or federal census records; courthouse records, such as deeds, wills, probates, birth or death records, naturalization records or court proceedings (both civil and criminal); church records, primarily baptism and marriage; ship's passenger lists; immigration lists; military records, etc.

**Secondary Records** include such materials as history books; indexes or compilations of census or marriage records; printed family histories or genealogies, or collections of tombstone inscriptions.

Primary records are the most reliable source of information; however, secondary sources can provide you with many shortcuts in your genealogical research. A printed family genealogy for instance, might have information on several generations of a given line you're searching. Most competent genealogists, though, consider such information only as clues for further searching. They use the dates and places as evidence of where to search for more back-up or supporting information. A well-done family history or genealogy will include citations to primary records and will greatly simplify your future research.

**Local And State Libraries:** As interest in genealogy and local history has grown, more and more libraries have improved their collections in these areas. Unfortunately, smaller libraries often cannot afford genealogical collections; however, many county-seat libraries do have fine collections. And practically every state library has a special collection of extensive genealogical materials, often maintained with the aid of a state historical or genealogical society.

In your search for secondary reference materials, you'll want to start at your local—or the nearest larger—library, especially if your family has lived in your county or state for many years. Ask your librarian for local histories and genealogies; one of these might, for instance, tell you where your family lived before it came to the county where you now live. Also check the libraries in nearby counties where your family lived. Depending upon how adequate your local library is, you may well find many trails you can pursue either by field trips or correspondence.

Often the books you need to check will not be available locally. If you have a fairly good idea of the information you want and which book it is in, you may be able to write your state library (or another library which has the book) and ask for the specific information. Most libraries will reply to such requests; however, they usually do not have the staffs necessary to do more than spot checking of indexes to specific books.

Many state libraries also have genealogical finding aids which may be of help to you. Some have indexes of names in early histories or other printed or microfilm records. Write your state library and ask for information. Most have a pamphlet describing what is available. Many also might be able to provide you with a list of people who will undertake genealogical research for you for a fee.

**National Libraries:** The Library of Congress (Washington, D. C. 20540) has an excellent collection of genealogies and local histories. If your travels include a trip to Washington, this is a must visit. The library's small staff is able to do only a limited amount of searching in the catalogs and indexes for specific titles or references if you query it by mail. You can write the library for free leaflets describing its services (General Reference and Bibliography Division, above address).

The library of the National Society, Daughters of the American Revolution (1776 D Street, N.W., Washington, D. C. 20006), has an extensive genealogical collection. Included are printed genealogies as well as manuscripts

submitted by individuals or local chapters. It also has Bible, church and cemetery records, abstracts or court records, lineage books and other materials. The library is open to nonmembers (for a small fee) except during April.

The Library of the Genealogical Society of the Church of Jesus Christ of Latter-Day Saints (107 South Main Street, Salt Lake City, Utah 84111) also has a massive collection of genealogical materials, including more than a million rolls of microfilm. This microfilm is available for researching at the library in Salt Lake City and in some 100 other locations in the United States and other counties through a network of branch libraries. In addition, the library has millions of genealogical records of individual families contained in a family group record collection. The index to this collection contains more than 50-million names. Send inquiries to the library at the above address.

**Genealogical Societies:** There are a number of national, regional and local genealogical societies which provide helpful information to researchers. Most publish periodicals containing genealogical information and queries about specific families. Membership sometimes entitles you to borrow books by mail. The New England Historical and Genealogical Society, 101 Newbury Street, Boston, Mass. 02116, is one which will loan books to members. The National Genealogical Society, 1921 Sunderland Place, N.W., Washington, D. C. 20036, has its own library and publishes a quarterly as well as other genealogical books.

### Histories and Genealogies

As previously mentioned, two of the more common types of secondary information are local histories and family genealogies. Both of these are excellent sources of information for further research. You must always keep in mind, however, that they may not be accurate.

**Local Histories:** These were very popular in the latter part of the 1800s, especially in the Midwest. Most of them were money-making efforts of large publishers who sent teams of people out into a county. These people collected



some local history and local biographies and added them to a prepackaged state history.

The way they made their money was to sell the book locally; the way they made sure they would sell copies locally was to include flowery writeups about county residents—either for a fee or upon the subject's promise to buy one or more of the usually high-priced books. The more prominent one was made to appear, the more books he was likely to buy—so the publisher's word craftsmen spared no adjectives. Most of the men were "loyal patriots" and "respected farmers" or "prominent merchants," as well as being God-fearing members of a particular church ("to the support of which he contributes generously.") The women were nearly always loving wives and mothers.

Even with these drawbacks, there often is much genealogical information in these presentations. Usually the names of previous generations are given, along with the wife's maiden name and the name of her parents, as well as the dates the family came to the county and where it had previously lived.

**Family Genealogies:** One of the major drawbacks of family genealogies and histories, especially those published in the nineteenth century, is that they lack adequate documentation. And, as often as not, the author—in his zeal to trace the family back to the Mayflower or other illustrious beginnings—made serious errors. The most common one is the mistake of assuming that an ancestor was the son of a particular man with the same last name without proper documentation. On the other hand, these books provide excellent clues for further research. You can usually make your own judgments as to how accurate particular genealogy is by noting such

things as completeness (are birth and death dates fully given or is the word "about" used frequently) and citations to specific sources (such as wills, Bible records, deeds, etc.).

In all of your research with either primary or secondary records, you should keep a list of those materials you have reviewed. Always write the name, author, date and place of publication, as well as the date of your research, in your notes. This information will support the accuracy of your information, will keep you from retracing your steps and also will allow you to return to that source for double-checking or further information.

#### Primary Records

Of all the materials and sources available to the genealogists, by far the most important are primary records or "original" records. The value of primary records is that they are contemporary to the event which they record. Thus they are more likely to be accurate than a record made some time after from memory.

For our purposes here we focus attention on some of the most important primary records, including especially those located at the National Archives. Next month we'll discuss primary records of a more local nature.

**Census Records:** Perhaps the most valuable primary records for the genealogist are federal and state census records. The United States government has conducted a census of the states every ten years since 1790 and, in some states, other years. Often the states themselves conducted off-year censuses. Your state library can tell you when these were.

The federal census records from 1790 through 1840 contain little genealogical information. Only the head of the household is given by name; all others in

the family are counted only in specific age groups by sex. These records, though, can be helpful, for they tell the number of children in the family and the approximate ages, for instance. Also, the early census records may help you find where you ancestor lived so you can pinpoint your searching.

The federal censuses for 1850, 1860, 1870 and 1880 provide much more information. Included are the names of each member of the household, their ages and places of birth (state, territory or foreign country), occupation, as well as value of real estate and personal property. The 1880 census provides additional important information: the place of birth of each individual's parents. Also included with most of these censuses are mortality records, giving the name and other information about each person who died within the last year. Some of the later schedules also tell you whether a person was married within the past year.

The 1850 census, unfortunately, was largely destroyed by fire in 1921, and only fragmentary parts of it are available for research. Because of the confidential nature of census records, the more recent ones are not available for research. Only recently, however, the 1900 census has been opened to the public under certain conditions, and researchers are finding it to be a valuable source of genealogical information.

#### Where To Find Census Records:

The National Archives and Records Service (Washington, D. C. 20408) has original or microfilm copies of all the federal census schedules that have been made available for public use. Anyone can search the microfilms upon obtaining a researcher's identification card. If you can't get to Washington, there are other ways to search census records. Most state libraries have copies of the microfilm census records for their states and some local libraries also have these. Also—especially since the advent of the computer—more and more census records are being indexed. Your state library—or the library of the state in which you are interested—will no doubt have copies of the indexes for its own state and probably will check these for you if you provide a specific name, which census you are interested in, and as much other detail as possible.

The National Archives staff will, free of charge, search the census schedules and indexes it has for a specific name. Your request must be submitted on GSA Form 7029, "Order for Copies—Census Records" (available from the Archives). For schedules not indexed, a brief search for a particular name will be made in a given census record if the name of the individual and his state and county are

(Continued on Page 28)

*The Genealogy Section of the North Carolina State Library in Raleigh is a storehouse of valuable historical information which can help you in tracing your own family's history.*

*It is headed by Mrs. Lee Albright, genealogy librarian, who has seen a steady rise in traffic through her section as genealogy has gained in popularity. She's also noticed an increase in the number of out-of-state visitors who visit the library to search for ancestors native to the state. And more mail requests are being received for information on Tar Heel families who emigrated to other areas.*

*Mrs. Albright has two theories about the rising popularity of the hobby. One reason for it, she says, is that when people seek membership in hereditary societies such as the Daughters of the American Revolution, they must document their lineage. They usually become so interested they continue their investigations, wanting to know all they can about their ancestors.*

*"And another reason," she added, "is that I think people are curious. Besides, genealogy is fun and fascinating."*

*The librarian emphasized that the library by no means is a repository of nothing but professionally published genealogy volumes. On the contrary, they're interested in having at least one copy of every published genealogy of every family in the state.*

*"We're always delighted to receive these histories, even the typewritten ones. These gifts enable us to serve more people with our limited genealogy funds," she said.*



(Continued from Page 27)

provided. When a requested entry is found, the Archives staff will send a photocopy of the census page on which it appears along with a bill for the cost of the reproduction (this charge is moderate). If the search is too extensive for the Archives staff to undertake, the cost of the microfilm roll on which the desired schedules are included will be sent to you.

All of the census records available at the Archives have been microfilmed and are available either in that form or in positive prints at a moderate cost. Upon request, the Archives will send you its publication, "Federal Population Censuses, 1790-1890," containing a roll listing and price for each roll.

The 1790 census—those parts available—was published by the government in the early 1900s and has since been privately reprinted. Published census schedules for 1790 are for Connecticut, Maine, Maryland, Massachusetts, New Hampshire, New York, North Carolina, Pennsylvania, Rhode Island, South Carolina and Vermont. The schedules for the remaining states—Delaware, Georgia, Kentucky, New Jersey, Tennessee and Virginia—were burned during the War of 1812. Substitute schedules, made from names in state censuses or tax lists, have been published for many of the missing

states. In the case of Virginia, the government originally published a substitute list. These printed 1790 schedules are available in most larger libraries.

Another particularly helpful finding aid is an index to the 1880 census of the United States. Every family with a child under 10 years of age is included in this index, which is available on microfilm at the National Archives and many larger libraries. If you know the state in which your ancestor lived (the index is by states) and are fairly certain that there were children under 10 in the family, then you'll want to check this index.

Remember: Unless you know the county in which an ancestor lived, or unless the particular census you are interested in is indexed, it is almost impossible to find him or her readily in the census schedules. That's why it is so important for you to keep exact records of where your ancestor lived and when.

Another thing to keep in mind about census records is that they are not always completely accurate. This can happen for a number of reasons. The person providing the information to the census taker might not have known everyone's exact age. Or the census taker made an error in taking the information down. And there has always been vanity about ages—I've noted cases where people aged only five years in the decade between two censuses!!

Also, even though a particular record may have been published or someone copied it and sent it to you, you should try to check the original or a photocopy. Mistakes in interpreting the handwriting on the schedules or by the copier are easy to make.

**Military Records:** The National Archives has many service records available, some dating as far back as 1775. The Archives will search these records in response to an inquiry on GSA Form 6751, "Order for Copies—Veterans Records." Information on the form must be as complete as possible for an effective search. Genealogical information on these records is generally limited to the individual himself, but usually includes his age, place of birth and information on his service.

In addition to records on members of the United States armed forces, the Archives has records for soldiers of the Confederate army. Records of military or naval personnel that are not 75 years old are subject to restrictions on their use.

Some state archives or libraries have additional military records—or copies of the federal records—so you'll want to check there.

**Pensions And Bounty Land:** The Archives also has bounty land warrant application files based on service in wartime between 1775 and 1855 and pension application files based on service between 1775 and 1916. Some states also had pension programs; inquiries about these should be directed to the state where the veteran lived after the war.

Information about veterans and their families varies greatly in the files at the National Archives. Generally, though, there usually is genealogical material as well as other information of value or interest.

Inquiries about pension and bounty land claims should be submitted to the National Archives on GSA Form 6751 "Order for Copies—Veterans Records." If a file is found, documents that normally contain information of a personal nature about the veteran and his family will be selected, copied and sent, along with a bill, to the researcher. The Archives will, on request, copy all reproducible paper in a file at a moderate cost per page.

**Other Archives Records:** The National Archives also has other records of interest to genealogists. Although incomplete, its immigration passenger lists and customs passenger lists can be of help. Requests for a search of these records should be made on Form 7111 "Order for Copies—Passenger Lists."

Next month, we'll continue our discussion of primary records, with the emphasis on county and local records

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# Poet's Corner

Arnold McLeod is a city letter carrier in Lexington. "I carry Carolina Country to many of my patrons," he writes. McLeod, who has been "writing seriously for several years," hopes to publish a volume of his poetry sometime in the future. This one might make a good start:

**Railyards**  
Spencer, North Carolina

Once, rumbling thunder of smoke  
belching locomotive.  
Earth trembling.  
Grimy buildings, facing steel tracks  
shining in the sunlight.  
Even when the smoke smell changed  
to the stink of diesel  
There was no end to the sound of  
busy hammers . . .  
Lullaby for all who lived, toiled and  
rested there.  
Now, rusty iron rails on rotting  
crossties  
Overgrown with weeds and man's  
discards . . .  
Broken wine bottles...crumbling  
brick.  
Gragging roofs over broken panes  
and barred windows.  
For Lease the sign says.  
But, for what purpose.  
Haven for pigeons?

Cheri Bennett writes that she reads every issue of Carolina Country and "I really like the poems so I decided to write one. I hope you like it:"

**Winter Is**

Winter is a chilly time  
that feels cool and breezy  
and silver bells always chime  
to a melody soft and sleezy.  
When people wear heavy coats  
to keep from freezing  
and feed their farm animals  
lots of oats  
to keep their stomachs  
from wheezing  
for all of this is winter life  
and we accept it without gripe.  
So let's be glad of winter life  
and enjoy cold weather just for spite.

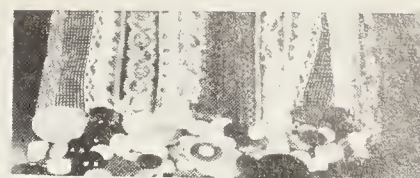
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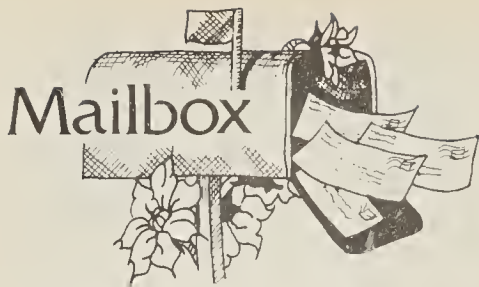
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I'd like to commend you on the article about Patricia Hart and her love for farm work. I, too, find it a very satisfying occupation, but a lot of people don't understand this.

Many times I've been asked, "Why don't you go to a factory and get a good job?" I tried factory work for 11 of the 15 years I've been married, and it just doesn't measure up to the job of farm work. Sure, it's hard work, but I've never felt better in my life.

To those who have never tried it, and kind of look down on us who do, remember this—without us, there wouldn't be much food on your table.

**Linda Gentry  
Todd**

I would like to write you a short note and commend you on the publication *Carolina Country*. I enjoy very much reading this magazine and especially the beautiful pictures that you have on the cover each month. You are very generous with your statewide coverage and I consider it one of my favorite publications due to the colorful stories about our Tarheel State.

Thank you for publishing this magazine.

**Jesse S. Basnight  
Carrboro**

I read the editorial in the *Carolina Country* about our mismanaged mail and it's like our U.S. Mail System is today.

Why don't they put in a Postmaster General and bring the mail system back like it was. I think it would improve our mail system a lot.

**Emma Roupe  
Rt. 1, Scottville**

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Your editorial on "Our Mismanaged Mail" is worth sending to our federal legislators with an appeal to do something about our horrible Postal Service.

**George G. Vlk  
Rt. 1, Enfield**

Being a postal employee of 17 years covering a time since 1949 (I had resigned and returned), I beg to differ with your editorial on mismanaged mail. To start off with "mismanaged mail" is entirely correct. That is the biggest factor in its fault. In the first place you cannot run any business by hiring people unfamiliar with its workings. The United Parcel Service is successful because it can pick and choose its parcels and its destinations. The Postal Service has to take everything and it's the out-of-the-way places that are a minus in funds. Would you discriminate against rural areas? True, things happen, damage is done, but I would say 50 per cent of it is due to the carelessness of people themselves. You cite 89.3 billion pieces of mail. Have you any idea of how much of that is free from Congress and government agencies? I would guess about 25 per cent. How much would it cost if the government had to pay postage for all its mail (to a private Co.)?

Let me say that the patronage system is still strong and healthy in the Postal Service. Take that three billion you cite, if that were back in the hands of Congress it would be paid out in more employed people and more income from taxes and a better economy. The service has automated, another big factor in cost as too many innovations are made without due consideration as to its practicability. Human labor was what made the postal system work, that is why your service was better in the past.

As for the profit motive you cite, given to private industry greed would have its way and huge profits would arise, like oil and your public utilities. I think the telephone company was a poor example on your part as they recently announced a record-breaking profit in a quarter. And to sum it up, aren't you going against your own well managed non-profit rural electric company? If Congress took it back, the salaries and costs would be slowed down. Unions did not help. I prefer the lesser wages and the dignity of the past under civil service. Incidentally, I wrote Congress that I had some ideas for savings but have been completely ignored.

**A. J. Guiliani, Sr.  
Fayetteville**



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help maintain the efficiency of the independent farmer. We used to compete with each other, but we found out we had to organize to survive — there is strength in numbers. Money was hard to get then, but the Columbia Bank for Cooperatives helped us get started and provided the capital we needed. Things are much better today, thanks to Farm Credit."



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by lending me the capital to purchase land and later to build a home. Through the years, I've found that the folks at the Land Bank are more knowledgeable about my dairy business than any other lending agency. They understand the ups and downs, the problems and my capital needs because they care, and to me, that's the most important thing."

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ER, GREENVILLE,  
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help of PCA, my tobacco operation wouldn't be completely mechanized as it is today. The name of the game in this business is new methods and better equipment, and the successful farmer has to keep up with these changes to stay ahead of his competi-

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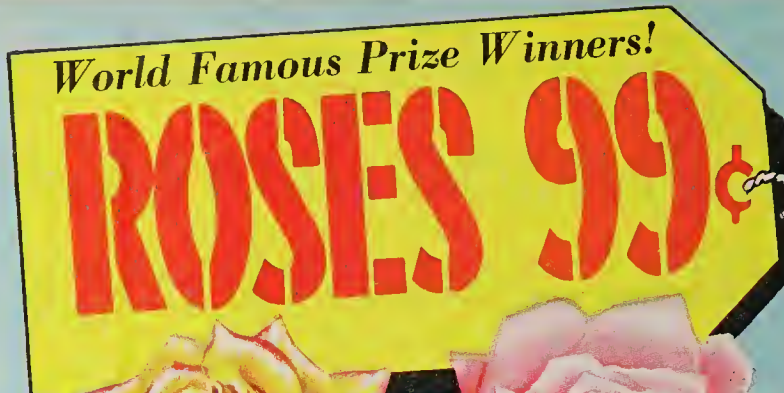
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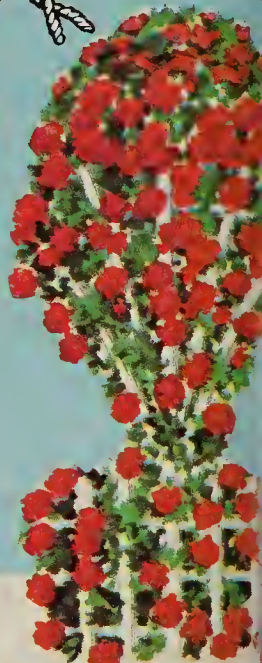
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